

APPARATUS AND METHODS FOR FILLING CONTAINERS WITH PILLS

ABSTRACT OF THE DISCLOSURE

There is provided an automated packaging apparatus for depositing a predetermined number of pills into a series of containers. The packaging apparatus includes a plurality of independently rotatable rotary slats. Each rotary slat includes an outer peripheral edge portion and the rotary slats are configured so that the outer peripheral edge portions define a common interior space. Each outer peripheral edge portion also defines an inner surface and a plurality of pill apertures. The pill apertures are configured to receive one of the pills from the common interior space at a first position and transmit the pill outside the rotary slats at a second position. A conveyor is configured to move a plurality of open containers along a predetermined path of travel and position each of the containers adjacent a respective rotary slat to define a delivery path that extends between the second position of the rotary slat and the container. At least one drive motor is in driving engagement for rotating the rotary slats. A controller is connected to the drive motor for controlling the drive motor such that the rotary slats can be rotated for different durations.

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